

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Currently amended) A method of controlling the temperature of an exothermic reaction, the method comprising:
 - a) contacting within a reactor a gaseous reactant with a catalyst to form reaction products, the reaction products existing in both a liquid and vapor phase;
 - b) removing at least a portion of the vapor phase reaction products from the reactor;
 - c) condensing at least a portion of the removed vapor phase reaction products at a location outside the reactor to form a volatilizable liquid; and
 - d) injecting at least a portion of the volatilizable liquid into the liquid phase reaction products contained within the reactor;
wherein the volatilizable liquid comprises at least 10 percent by weight C₁₁₊ hydrocarbons and has a boiling point substantially the same as the reaction temperature.
2. (Original) The method of claim 1, wherein the volatilizable liquid comprises at least 10 percent by weight C₁₁ to C₂₀ hydrocarbons.
3. (Original) The method of claim 1, wherein the volatilizable liquid comprises at least 10 percent by weight C₁₁ to C₁₅ hydrocarbons.
4. (Original) The method of claim 3, wherein the volatilizable liquid comprises at least 20 percent by weight C₁₁ to C₁₅ hydrocarbons.
5. (Original) The method of claim 3, wherein the volatilizable liquid comprises at least 30 percent by weight C₁₁ to C₁₅ hydrocarbons.

6. (Original) The method of claim 1, wherein the volatilizable liquid comprises at least 5 percent by weight C₁₆₊ hydrocarbons.
7. (Original) The method of claim 1, wherein the exothermic reaction is a Fischer-Tropsch synthesis.
8. (Original) The method of claim 7, wherein the Fischer-Tropsch synthesis is carried out in a slurry-type reactor.
9. (Original) The method of claim 7, wherein the volatilizable liquid is a product from the Fischer-Tropsch synthesis.
10. (Original) The method of claim 9, wherein the volatilizable liquid is a condensate fraction boiling in the range C₅ to 700°F.
11. (Original) The method of claim 1, wherein the volatilizable liquid comprises hydrocarbons selected from the group consisting of paraffins and 1-olefins.
12. (Original) The method of claim 1, wherein the volatilizable liquid comprises less than about 50 percent by weight C₁ to C₁₀ hydrocarbons.
13. (New) A method of controlling the temperature of an exothermic reaction, the method comprising:
 - a) contacting within a reactor a gaseous reactant with a catalyst to form reaction products, the reaction products existing in both a liquid and vapor phase;
 - b) removing at least a portion of the vapor phase reaction products from the reactor;
 - c) condensing at least a portion of the removed vapor phase reaction products at a location outside the reactor to form a volatilizable liquid; and

- d) injecting at least a portion of the volatilizable liquid into the liquid phase reaction products contained within the reactor;
wherein the volatilizable liquid comprises at least 10 percent by weight C₁₁₊ hydrocarbons and has a boiling point such that at least 30 wt% of the volatilizable liquid boils under reaction conditions.